

EG-13  
**SUPERSEDED  
DOCUMENT**

**ROCKY FLATS PLANT**

**Manual No.:**

**2-11000-ER-ADM  
(a.k.a. 3-21000-ADM)**

**ERM ADMINISTRATIVE  
PROCEDURES MANUAL**

**Procedure No.:**

**Table of Contents, Rev 16**

**Page:**

**1 of 2**

**Effective Date:**

**04/29/94**

**CATEGORY 1**

**Organization:**

**Environmental Restoration**

**TABLE OF CONTENTS  
FOR  
ENVIRONMENTAL RESTORATION MANAGEMENT  
ADMINISTRATIVE PROCEDURES MANUAL**

<b><u>Procedure No.</u></b>	<b><u>Title</u></b>	<b><u>Rev. No.</u></b>	<b><u>Effective Date</u></b>
01.01	ER Organization		
02.01	Training	0	06/19/92
02.02	Personnel Qualifications	0	08/15/91
03.04	Control of QAA Development	0	09/23/91
04.01	Procurement Document Control	0	04/08/92
05.01	Procedure Development	0	08/02/91
93-DMR-000547		0	11/01/93
05.03	RFI/RI Work Plan Development	0	08/15/91
DCN 93.01	Technical Memoranda	0	08/18/93
05.05	Document Review	0	08/02/91
05.07	Preparation of Procedure Change Notices	1	09/23/91
93-DMR-000548	Modification	1	11/01/93
05.08	Forms Control	0	09/23/91
05.11	Preparation of Instructions	0	04/08/92
06.01	Document Control	0	08/02/91
DCN 93.01	Add Distribution of Working Copies	0	05/18/93
08.01	Control and Identification of Items, Samples, and Data	0	04/08/92

**DOCUMENT CLASSIFICATION REVIEW WAIVER  
PER R.B. HOFFMAN, CLASSIFICATION OFFICE  
JUNE 11, 1991**

**ADMIN RECORD**

**A-SW-001319**

EG&G  
SUPERSEDED  
DOCUMENT

ROCKY FLATS PLANT

Manual No.

2-11000-ER-ADM  
(a.k.a. 3-21000-ADM)

ERM ADMINISTRATIVE  
PROCEDURES MANUAL

Procedure No.:

Table of Contents, Rev 16

Page:

2 of 2

Effective Date:

04/29/94

CATEGORY 1

Organization:

Environmental Restoration

<u>Procedure No.</u>	<u>Title</u>	<u>Rev. No.</u>	<u>Effective Date</u>
10.01	Inspections	0	04/08/92
12.01	Control of Measuring and Test Equipment	0	04/08/92
15.01	Control of Nonconforming Items and Activities	1	10/12/92
16.01	Corrective Action	0	04/08/92
17.01	Quality Assurance Records Management	0	02/28/92
DCN 93.02	Modification of Records Acceptance and Access Control	0	06/07/93
•94-DMR-000778	Text Addition and Section Number Modification	0	04/29/94
17.02	Administrative Records Screening and Processing	0	12/07/92
18.02	Surveillance Activities	1	04/08/92
18.03	Readiness Review	0	08/02/91
AQD.08	Preparation of EPA Form R	1	10/10/91

## DOCUMENT MODIFICATION REQUEST (DMR)

Page 1 of 1

Refer to 1-A01-PPG-001 for Processing Instructions.  
Print or Type All Information (Except Signatures)

1. Date 4-6-94			25. <sup>4</sup> DMR. No. 93-DMR-000778		
2. Existing Document Number/Revision 3-21000-ADM-17.01			3. New Document Number or Document Number if it is to be changed with this Revision NA		
4. Originator's Name/Phone/Page/Location S.L. Roberts-Dingman x8720.080			5. Document Title Quality Assurance Records Management		
6. Document Type <input checked="" type="checkbox"/> Procedure <input type="checkbox"/> Other			7. Document Modification Type (Check only one) <input type="checkbox"/> New <input checked="" type="checkbox"/> Revision <input type="checkbox"/> Intent Change <input type="checkbox"/> Nonintent Change <input type="checkbox"/> Editorial Correction <input type="checkbox"/> Cancellation		
8. Item	9. Page	10. Step	11. Proposed Modification		
1	9	5.10	RENUMBER TO SECTION 5.11		
2	9	5.10	<p>ADD NEW SECTION: 5.10 <u>Working Base Maps</u></p> <p>The subcontracting site manager will maintain working maps at the field base location. All actual, individual sampling locations will be reflected on the maps; several different maps with various scales may be necessary to capture all of the individual sampling points. These maps will be updated with handwritten notations as sampling progresses.</p> <p>All working maps used to indicate actual field sampling locations constitute QA records and will be archived according to this procedure following their use in the field.</p>		
3	10-10A	5.11, 5.12, 5.13	<p>RENUMBER TO SECTIONS 5.12, 5.13, 5.14 <sup>RP</sup> 4/13/94</p>		
12. Justification (Reason for Modification, EJO#, TP#, etc.)					
<p>Item 1 and 3: N/A</p> <p>Item 2: Working maps must be specifically addressed in the procedures based on their importance for sample data traceability.</p>					
If modification is for a new procedure or a revision, list concurring disciplines in Block 13, and enter N/A in Blocks 14 and 15. If modification is for any type of change or a cancellation, organizations are listed in Block 13, then Concurring prints, and signs in Block 14, and dates in Block 15.					
13. Organization	14. Print and Sign (if applicable)			15. Date (if applicable)	
ERDSSME	14/94 Laura Tyler Laura Tyler			4-15-94	
EGS	(RR) M.C. Broussard			4/14/94	
RP	10/5/94			4/13/94	
EQM	M.C. Broussard			4/7/94	
16. Originator's Supervisor (print/sign/date) K. Bentzen K. Bentzen					
17. Assigned SME/Phone/Page/Location Laura Tyler 6936 080			18. Cost Center 0247	19. Charge Number 98927900	20. Requested Completion Date 4-13-94
22. Accelerated Review? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			23. ORC Review NOT REQUIRED This is an intent change processed as intent change to expedite the DMR process.		
24. Responsible Manager (print, sign, date) Laura Tyler Laura Tyler 4-6-94					

REVIEWED FOR CLASSIFICATION/UCN

BY NA  
DATE NA

EC88  
~~SUPERSEDED~~  
DOCUMENT

ENVIRONMENTAL MANAGEMENT DEPARTMENT  
ADMINISTRATIVE PROCEDURE MANUAL

NOT RELATED TO  
PLANT SAFETY

Approved By:

Category 1  
EFFECTIVE: 3/13/92

15/ J. Erich Evered 2/28/92  
Director, Environmental Management Date

TABLE OF CONTENTS

•	TABLE OF CONTENTS	1
1	PURPOSE	3
2	SCOPE	3
3	TERMS/DEFINITION	3
4	RESPONSIBILITIES	4
5	INSTRUCTION	5
5.1	<u>Submission of Records</u>	5
5.2	<u>Records Receipt</u>	6
5.3	<u>Records Packages</u>	6A
5.4	<u>Corrections to Records Prior to Submission</u>	7
5.5	<u>Record Enhancement</u>	8
5.6	<u>Corrections to Submitted Records</u>	8
5.7	<u>Lost or Damaged Records</u>	8
5.8	<u>Special Records</u>	8
5.9	<u>One-of-a-Kind Records</u>	9
5.	[REDACTED]	10
6	<u>RECORDS</u>	11
7	<u>REFERENCES</u>	11
APPENDIX 1		
RECORDS TRANSMITTAL FORM		12

94-DMR-000778

DCN  
93.01

QUALITY ASSURANCE RECORDS  
MANAGEMENT

3-21000-ADM-17.01  
Revision 0  
PAGE 2 OF 21

TABLE OF CONTENTS (Continued)

APPENDIX 2  
CRITERIA FOR ACCEPTANCE OF RECORDS FOR PROCESSING . . . . 14

APPENDIX 3  
BEST AVAILABLE COPY FORM . . . . . 18

APPENDIX 4  
EM DEPARTMENT SAMPLE RECORD PACKAGE TABLE OF CONTENTS . . 19

APPENDIX 5  
EM DEPARTMENT RECORD DEFICIENCY FORM . . . . . 20

APPENDIX 6  
EM DEPARTMENT RECORDS RETRIEVAL FORM . . . . . 21

LIST OF EFFECTIVE PAGES

<u>Pages</u>	<u>Effective Date</u>	<u>Change Number</u>
<del>1-2</del>	<del>04/28/94</del>	<del>94-DMR-000778</del>
6-6A	06/07/93	DCN 93.02
9-10A	06/07/93	DCN 93.02
<del>9-10A</del>	<del>04/28/94</del>	<del>94-DMR-000778</del>
12-13	03/08/93	DCN 93.01
14-15	06/07/93	DCN 93.02

TOTAL NUMBER OF PAGES: 21

## **1 PURPOSE**

This procedure establishes requirements for records used by the Environmental Management (EM) Department that result from the implementation of the EM Quality Assurance Program Description (EM-QAPD). Implementation of this procedure ensures that records are legible, identifiable, traceable, and retrievable.

## **2 SCOPE**

This procedure applies to records that furnish documentary evidence of quality. This procedure does not address detailed activities performed by records center personnel.

Examples of QA records may include raw data, data quality records, auditing records, procurement documents, magnetic media, and other records as directed by the EM Department QA Program Manager (QAPM).

The requirements specified in this procedure apply only to the records system operated by the EM Department and do not apply to working files maintained by other organizations or individuals. However, the requirements for maintenance and protection of QA Records prior to transmission to the EM records center do apply.

## **3 TERMS/DEFINITION**

- 3.1 Authentication** - The process by which the originator attests that the QA Record is true and complete.
- 3.2 EM Department QAPD** - Environmental Management Department *Quality Assurance Program Description*.
- 3.3 EM Department Record Center** - The records center maintained by the Resource and Information Management Division (RIMD).
- 3.4 EMDRT Form** - EM Department Records Transmittal form (see Appendix 1).
- 3.5 Nonvisual Media** - Media that cannot be examined by visual inspection. Examples of visual media are

hardcopy documents and drawings. Examples of nonvisual media are magnetic tape and Bernoulli disks.

- 3.6 QA Record** - A record that has been completed and authenticated by all required signatures and that furnishes evidence of the quality of data, items, or activities. QA records may include: (1) records prepared and maintained to demonstrate implementation of QA programs; (2) procurement records that document quality; (3) work plans; (4) materials that provide data and record quality regardless of the physical form or characteristics. A QA Record may be an individual record, a records package segment, or a records package.
- 3.7 Records Custodian** - The responsible individual receiving, accepting, and managing QA Records.
- 3.8 Records Package** - A QA record or group of QA records and their transmittal form(s) maintained within a single file unit because of the related nature of the records.
- 3.9 Records Package Identifier** - An identifier by which the records source may request retrieval of the record (e.g., Sample Number for Field Data Packages, Nonconformance Report Number).
- 3.10 Records Source** - The individual, typically the generator, who submits records to the EM records center.
- 3.11 Record Package Segments** - Individual or sets of QA records that comprise a Records Package.

#### **4 RESPONSIBILITIES**

- 4.1** The EM Department Director is responsible for assigning the organization responsible for managing records. The EM Department's RIMD has been assigned this responsibility.
- 4.2** The QAPM is responsible for ensuring that the identification of quality records within program plans, procedures, and other documents that affect quality are specified.

- 4.3 The RIMD Manager is responsible for appointing an EM Department Records Custodian, establishing an organization capable of implementing the requirements of this procedure, and operating the EM Department records center.
- 4.4 The Records Source or responsible manager is responsible for correcting and authenticating records.
- 4.5 The Records Custodian is responsible for receiving, filing, maintaining, and preserving records affecting quality after their transfer to the EM records center.
- 4.6 All EM personnel are responsible for maintaining, protecting, and submitting QA records consistent with this procedure.

## **5 INSTRUCTION**

### **5.1 Submission of Records**

- 5.1.1 Except as noted elsewhere in this procedure, all QA Records shall be submitted to the EM Department Records Custodian.
- 5.1.2 The Records Source shall assemble records for submittal.
- 5.1.3 The Records Source shall inspect records for legibility and shall prepare a Records Transmittal Form (Appendix 1).

#### **NOTE**

**Records will be inspected upon receipt.  
Criteria for QA Records are specified in  
Appendix 2.**

- 5.1.4 If the record being submitted to the Records Custodian is not legible or complete, the Records Source shall correct the copy as described in this procedure or prepare a Best Available Copy form (Appendix 3).

DCN 93.02

5.1.5 The Records Source shall ensure that QA records are properly authenticated prior to transmittal to the records center. This shall be accomplished by: (1) stamping, initialing, or signing, and dating the document; (2) providing a written statement of authentication; or (3) issuing a document which is clearly identified as a statement by reporting individual or organization.

5.1.6 The Records Source shall transmit the original and one copy of the record or record package segment to the Records Custodian within twenty (20) working days after completion. This transmission shall be made using the Records Transmittal form. The Records Source should retain a copy until receipt acknowledgement is obtained from the Records Custodian.

5.1.7 Transmitted documents shall be enclosed in a sealed container (i.e., envelope, box) to prevent loss of or damage to the documents.

5.2 Records Receipt

5.2.1 The Records Custodian shall inspect records for compliance with the criteria of Appendix 2.

NOTE

QA and non-QA records generated prior to June 30, 1993 are not required to meet the records acceptance criteria identified in Appendix 2.

5.2.2 If records do not meet the criteria of Appendix 2, the Records Custodian shall hold the record and notify the Record Source using the deficiency form of Appendix 5. An explanation of the deficiency shall be indicated on the deficiency form. If a deficiency form is received, the Records Source shall correct the copy or prepare a Best Available Copy form within ten (10) working days of receipt.

DCN 93.02

6

DCN 93.02

Records generated prior to June 30, 1993 which do not meet records acceptance criteria, shall be stamped Best Available Copy by the Records Custodian and initialed and dated. (Completion of the Best Available Copy Form by the Records Source is not required.)

- 5.2.3 The Records Custodian shall accept the records and return a signed copy of the Records Transmittal form as receipt acknowledgement.

5.3 Records Packages

- 5.3.1 If a set of several documents would be more appropriately defined as a single record, a records package may be established for this set of documents. Typically, a records package is not kept open for more than 3 months. An example

package would be a set of data sheets from an activity that occurs over more than twenty (20) working days.

- 5.3.2 When initially opening a package to which segments will be added over a period of time, the Records Source shall provide the Records Custodian with a projected completion date and Table of Contents for the package. See Appendix 4 for an example of a record package Table of Contents.
- 5.3.3 The Records Custodian shall assign a records package number and provide that information to the Records Source.
- 5.3.4 When submitting subsequent records package segments, the Record Source shall record the records package number on the transmittal form.
- 5.3.5 The Records Source shall notify the Records Custodian, in writing, upon completion of the package. This notification may be made by indicating on the last segment transmitted that the package is now complete. If the notification is written on the last segment transmitted, this information should be highlighted by underlining, bolding, or other mechanism.
- 5.3.6 The Records Custodian shall prepare the final Table of Contents for the package (see Appendix 4). The Table of Contents shall be submitted to the Records Source for verification. The Table of Contents is a QA Record and requires authentication by the Records Source.

**5.4 Corrections to Records Prior to Submission**

- 5.4.1 The author(s) or responsible Division Manager may make corrections to records that have not yet been processed to the EM Department records center.

5.4.2 Erasures, correction fluid, or correction tape of any type shall not be used as a means of correcting information on QA Records.

5.4.3 Corrections shall be made by scribing a single line through the incorrect information using an indelible medium, preferably black ink, and entering the correct information in close proximity to the line-out.

5.4.4 The incorrect information shall remain legible. The correction shall include the date and initials or signature of the person making corrections.

**5.5 Record Enhancement**

Enhancement of unclear records is permissible to improve legibility, provided that the information contained within the record is in no way altered.

**5.6 Corrections to Submitted Records**

The responsible manager may correct a record that has already been submitted to the Records Custodian, or may submit a revised record to the Records Custodian.

**5.7 Lost or Damaged Records**

5.7.1 Loss or damage of QA Records requires written notification to the QAPM.

5.7.2 Replacement or repair of lost or damaged records is required where possible. Best available copies may be used.

**5.8 Special Records**

**NOTE**

**This requirement may be modified as needed to comply with applicable security regulations.**

5.8.1 Special records (e.g., photographs, negatives, microfilm, magnetic materials, etc.) that cannot be microfilmed or optically scanned but can be

copied shall be copied. The original record and one or two copies, shall be submitted to the Records Custodian.

5.8.2 Records on nonvisual media may be transferred to new media as technology evolves.

5.8.3 Nonvisual media must be verified prior to submittal or after transfer to new media. This may be achieved using automated write verification (write with verify) methods.

5.8.4 Procedures for recovery of nonvisual media shall be approved prior to submittal of such media. The procedure shall be independently verified annually by actual recovery of data from QA Records using that media.

5.8.5 Nonvisual media QA Records shall be accompanied by a Records Transmittal form (Appendix 1), and shall be labeled externally to uniquely identify the associated records.

#### 5.9 One-of-a-Kind Records

5.9.1 Records that cannot be copied, microfilmed, or optically scanned, or would lose their meaning when microfilmed, such as radiographs, shall be submitted to the Records Custodian using a Records Transmittal form that clearly identifies the record as a "One-of-a-Kind" record.

5.9.2 The Records Custodian shall provide appropriate maintenance conditions for One-of-a-Kind records.

#### 5.10 Working Base Maps

The contracting site manager will maintain working maps showing base location. All actual, individual sampling locations will be reflected on the maps. Several different maps with various scales may be necessary to capture all of the individual sampling points. These maps will be updated with handwritten locations as sampling progresses.

94-DMR-000778

All working maps used to indicate actual field sampling locations constitute QA records and will be archived according to this procedure following their use in the field.

#### 5.11 Records Storage

- 5.11.1 The official, record copy of ERM Department records shall be maintained and stored at the ERM Central Records Center (CRC) located at Interlocken, Building 080. Duplicate copies of authenticated QA records shall be stored at the Rocky Flats Plant.
- 5.11.2 Records shall be secured in binders, folders, envelopes, or other approved devices as appropriate to protect them from damage, loss, or rearrangement. The records shall be stored in metal cabinets, shelving, or other approved devices.

#### 5.12 Retention

- 5.12.1 Records shall be retained as specified in the EM Department QAPD.
- 5.12.2 These records may be offered to the National Archive for permanent storage by the Records Custodian through the RFP Records Management Department. However, records shall not be discarded, destroyed, or otherwise dispositioned in a manner that renders them difficult to retrieve, unless such disposition is authorized in writing by the EM Department Director. The Director should solicit advice from appropriate members of his staff and the RFP records management department prior to such authorization.

#### 5.13 Access Control

- 5.13.1 The ERM Department Records Manager shall maintain a list of personnel with authorized access to the CRC. The access list shall be signed and dated by Manager and posted at the entrance to the CRC.

94-DMR-00078 DCN 93.02

5.13.2 Individuals not on the list who require access to the CRC shall be escorted at all times by an individual with authorized access.

5.13.3 The ERM Department CRC staff shall ensure that the storage area is locked at the end of each working day or whenever it is left unattended.

**5.14. REMOVAL**

**NOTE**

Requests for classified records, unclassified nuclear information, confidential, or sensitive records shall not be honored unless access is authorized. Other environmental records are publicly accessible.

5.14.1 Records retrieval may be initiated by submitting a completed Retrieval form (Appendix 6) or through a verbal request to the EM records center.

5.14.2 The EM records center staff shall locate the requested record and make the required copies. (See step 0.1.5 regarding One-of-a-Kind records.)

5.14.3 The Records Custodian shall send copies of the requested records to the requestor. The copied records should be labeled as copies.

5.14.4 The requestor shall not retransmit these copies to the EM records center. They may be discarded when no longer useful.

5.14.5 One-of-a-kind records may be reviewed by the requestor in the EM records center, or the Records Custodian may formally transfer custody to the requestor.

**6 RECORDS**


The following QA records are generated by this procedure:

1. Records Transmittal form
2. Record Rejection form
3. Best Available Copy form
4. Records Package Table of Contents

**7 REFERENCES**

- 7.1 Environmental Management Department *Quality Assurance Program Description*
- 7.2 EG&G Site Quality Assurance Manual, "Quality Assurance Records," QR-17.

**APPENDIX 1**  
**RECORDS TRANSMITTAL FORM**

 **EG&G ROCKY FLATS**  
 ENVIRONMENTAL MANAGEMENT  
 DEPARTMENT

**EMD**  
**RECORDS TRANSMITTAL**

Page 1 of       
 RT -

**This transmittal must be authenticated.**

Records Package Segment?    ☐ Yes    ☐ No                  If yes, Records Package Number \_\_\_\_\_

**Package Information:**

File Number \_\_\_\_\_

**Records Type:**

QA   Yes \_\_\_\_   No \_\_\_\_

Standard \_\_\_\_, Revision to Record \_\_\_\_, One-of-a-Kind \_\_\_\_

Non-Standard Record (circle type) \_\_\_\_\_:

Photographs   Negatives   Microfilm   Magnetic Material   Oversized Document

Other (specify) \_\_\_\_\_

**Classification:** None \_\_\_\_, Unclassified Nuclear Information \_\_\_\_, Secret \_\_\_\_,  
Confidential \_\_\_\_, Sensitive \_\_\_\_\_

**Key Words:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Authenticated by: \_\_\_\_\_ Signature: \_\_\_\_\_ Org. No: \_\_\_\_\_ Date: \_\_\_\_\_  
NAME

Received by EM Records Custodian<sup>d</sup>: Signature \_\_\_\_\_ Date: \_\_\_\_\_


<sup>d</sup> Completed by EM records center.

3-21000-ADM-17.01

Revision 0

**PAGE 13 OF 21**

**APPENDIX 1 (CONTINUED)**  
**RECORDS TRANSMITTAL FORM (Second and Continuation Page)**



**EG&G ROCKY FLATS**  
ENVIRONMENTAL MANAGEMENT  
DEPARTMENT

**EMD**  
**RECORDS TRANSMITTAL**  
(Continuation Sheet)

Page \_\_\_\_ of \_\_\_\_

RT — \_\_\_\_\_

**This transmittal must be signed (authenticated) by authorized personnel.**

Document/Package Type (Title, Date, Document Number if available)	Author or Originator	Number of Pages	Accession Number *

\* Completed by EM records center.

856D0111.018

15

**APPENDIX 2**

**EM DEPARTMENT CRITERIA FOR ACCEPTANCE OF  
SOURCE RECORDS FOR PROCESSING AND MICROFILMING**

**Part 1 -- General Criteria**

Record includes:

1. Record date.
2. Record title or subject line.
3. Record recipient name, title, and organization.
4. Record author or Records Source name, title, organizations.
5. Record EM file number; RFP file index identified.
6. Record identification: identifies draft, information copy, secret, confidential, and Unclassified Nuclear Information (UCNI) records through the use of a stamp or other visible means on the face of the record.
7. Blocks and lines on forms filled in appropriately or "NA" entered for not applicable. Do not use "NA" for not available.
8. QA records authentication (signature) and date or stamp, initials, and date. This may also take the form of a statement by the individual or organization. Handwritten signatures are not required if the document is clearly identified as a statement by the reporting individual or organization. Reproduced copies are acceptable.
9. Appendices or enclosures submitted to the Records Custodian with individual QA records. One complete copy of an appendix or enclosure is placed into a record package when it has been used more than once with package materials. Example: A distribution of a letter with an enclosure is sent to ten individuals. One copy of the enclosure and one copy of each letter should be sent to the Records Custodian as a single item.

Record shall not include:

1. Obliterated text.
2. Erasure marks.
3. Unrelated and/or unofficial annotations.
4. Noncompliant changes or enhancements to the records.

Part 2 -- Microfilming Criteria (May not be applicable to Special Processed Records)

- A. Purpose--The purpose of these criteria is to ensure that the microfilm record copy of EM Department QA records is of a quality sufficient for archiving.
- B. Scope--These criteria apply to all records submitted to the records system for microfilming and retention, except for one-of-a-kind items defined as "records that cannot be duplicated or microfilmed by currently available technology."
- C. Definitions--A source record is any record submitted to the records system for processing, microfilming, and retention that is the source of the microfilm record copy. A microfilm record copy is the silver-halide microfilm of each issue of a document.
- D. Criteria--It is imperative that source records submitted to the records system for microfilming be of the highest possible quality. Microfilming services will be provided by RFP Quality Assurance Records Management (QARMS).

Part 3 -- Practical criteria for acceptability of source records are as follows:

1. Record must be legible; there must be a clear and distinct image with a sharp contrast between the character or pictorial information recorded and the recording medium (paper). Records shall be recorded with an indelible medium, preferably black ink, against a light background. Information recorded on certain records may be accepted in other than indelible ink.

Such uses shall be handled on a case by case basis and approved in advance by the QAPM who will submit the documentation to the Records Custodian for placement with the record.

2. If photocopies are submitted as the record copy, they must be legible. The copy image must be aligned properly; optically skewed images are not acceptable; the angle of the record must be truly reproduced on the photocopy; square corners must appear at right angles.
3. No photo reductions of data are acceptable unless the image is very clear and easily legible. Letters and other characters must be spaced so that the background areas between them are approximately equal. Words shall be clearly separated by space equal to the height of the lettering.
4. If the original records are not available for submittal to the records center, the generation of the copy submitted for processing must be as close to the original as possible and not more than two generations from it (i.e., a copy of a copy of the original). Each copy generation removed from the original is of poorer quality).
5. Avoid using colored paper as a recording medium. The contrast between the data recorded and the color of the paper is not distinct enough to produce a microfilm image of sufficient quality.
6. NCR (no carbon required) paper or other paper requiring pressure from writing implement, typewriter, or printer to produce a legible copy are not acceptable. Only the white first page (original) of an NCR form is acceptable.

NOTE: Oversized records that are of a color that can be filmed on a 35mm planetary camera for aperture card production handling are the only exception to this rule and will be considered on a case-by-case basis. Approval by the responsible manager is required prior to submittal.

7. Data on drawings shall be recorded in black ink. Blackline drawings are preferred to blue-line or sepia copies. If blue-line or sepia drawings are the only copies available, they must not be folded but rather rolled for storage or transmittal. Store them on stick files or in flat (plan) files. Creasing the paper creates marks that can obscure data recorded on the drawing.
8. Oversized records (i.e., records with the minimum dimension greater than 14 inches) shall be rolled for transmittal in a tube.
9. Records must be complete; no portions of a page can be missing due to tearing or folding of record edges that obliterates recorded information.
10. Records shall be sent unbound or loose-leaf when possible.

APPENDIX 3  
BEST AVAILABLE COPY FORM

 **EG&G ROCKY FLATS**  
ENVIRONMENTAL MANAGEMENT  
DEPARTMENT

EMD  
Best Available  
Copy Justification

INSTRUCTIONS: Place an "X" into each appropriate ☐ and/or provide comments which will explain why this is the "Best Available Copy."

Records Transmittal Number RT —

- ☐ A better copy could not be located.
- ☐ The original record was generated outside the Project.
- ☐ The original record was of poor quality.
- ☐ The original could not be located.
- ☐ The original was sent to the addressee.

Additional Comments: \_\_\_\_\_


\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature of Source \_\_\_\_\_ Phone No. \_\_\_\_\_ Date   /  /   Div. \_\_\_\_\_

**QUALITY ASSURANCE RECORDS  
MANAGEMENT**

**3-21000-ADM-17.01  
Revision 0  
PAGE 19 OF 21**

**APPENDIX 4  
EM DEPARTMENT SAMPLE RECORD PACKAGE TABLE OF CONTENTS**

 <b>EG&amp;G ROCKY FLATS</b> ENVIRONMENTAL MANAGEMENT DEPARTMENT	<b>EMD</b> Record Package Table of Contents
---	---

Accession No. _____ <small>(Added by EM Records Center)</small>	Record Source Name: _____ Org. Code: _____
Date: _____	Final _____ Projected _____
Records Package Number: _____ <small>(Obtain number from EM records center if unavailable.)</small>	

Record Date	Record Package Sections (unique identifier, if applicable)	No. of Pages <small>(Not required for Projected Table of Contents)</small>

Approved or Verified By: <small>(Approved for Projected and Verified for Final)</small>	Phone No.	Date	Div.
_____	_____	____/____/____	_____

856D0111.018

3-21000-ADM-17.01  
Revision 0  
PAGE 20 OF 21

**EG&G ROCKY FLATS**  
**ENVIRONMENTAL MANAGEMENT**  
**DEPARTMENT**

**PAGE 21 OF 21**

23 of 23